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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/623,657	07/22/2003	Tsutomu Ishi	Q75241	. 4739
23373	7590 11/20/2006	•	EXAMINER	
SUGHRUE MION, PLLC			DINH, TAN X	
2100 PENNSYLVANIA AVENUE, N.W. SUITE 800		ART UNIT	PAPER NUMBER	
	ON, DC 20037	•	2627	
	_		DATE MAILED: 11/20/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
	*	10/623,657	ISHI ET AL.			
•	Office Action Summary	Examiner	Art Unit			
		TAN X. DINH	2627			
Period for	- The MAILING DATE of this communication app r Reply	ears on the cover sheet with the o	correspondence address			
WHIC - Extens after S - If NO - Failure Any re	DRTENED STATUTORY PERIOD FOR REPLY HEVER IS LONGER, FROM THE MAILING DY Signs of time may be available under the provisions of 37 CFR 1.13 CIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing of patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tir will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).			
Status		,				
1)🖾	Responsive to communication(s) filed on 21 Se	eptember 2006.				
2a) 🗌	This action is FINAL . 2b)⊠ This action is non-final.					
3)□ :	☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
(closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Dispositio	on of Claims					
4)🛛 (Claim(s) <u>1-29</u> is/are pending in the application.		•			
4	4a) Of the above claim(s) <u>1-3,8-12,19-25 and 27-29</u> is/are withdrawn from consideration.					
5)□(S) Claim(s) is/are allowed.					
6)⊠ (☑ Claim(s) <u>4,6,13,15,17,18 and 26</u> is/are rejected.					
·	Claim(s) <u>5,7,14 and 16</u> is/are objected to.					
8) 📙 (Claim(s) are subject to restriction and/or	r election requirement.	·			
Application	on Papers		,			
9)□ T	The specification is objected to by the Examine	r.				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
,	Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).			
	Replacement drawing sheet(s) including the correct	- · ·				
11)∐ T	he oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority u	nder 35 U.S.C. § 119					
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:						
•	1. Certified copies of the priority documents have been received.					
	2. Certified copies of the priority documents have been received in Application No					
;	3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
~ Se	ee the attached detailed Office action for a list of	or the certified copies not receive	ea.			
Attachment(s)					
	of References Cited (PTO-892)	4) Interview Summary				
	of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/Mail Da 5) Notice of Informal F				
. —	No(s)/Mail Date	6) Other:				

1) Applicant's election of Group II (claims 4-7,13-18 and 26) in the reply filed on 9/21/2006 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claims 1-3,8-12,19-25 and 27-29 are withdrawn from further consideration as being non-elected invention.

- 2) The drawings are objected to because:
- a) figure 1 should be designated by a legend such as -- PRIOR ART -- since only that which is old is illustrated. See MPEP § 608.02(g).
- b) The blocks circuits in figures 16 and 17 must be proper labeled.

Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application.

The replacement sheet(s) should be labeled "REPLACEMENT SHEET" in the page header (as per 37 CFR 1.121(d)) so as not to obstruct any portion of the drawing figures.

If the changes are <u>not</u> accepted by the Examiner, the applicant will be <u>notified</u> and <u>informed</u> of any required corrective action in the next Office action. The objection to the drawings will <u>not</u> be held in abeyance.

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3) The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. The following title is suggested:

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MAGNETO-OPTICAL HEAD HAVING CONDUCTIVE FILM CAPABLE OF INCREASING LIGHT INTENSITY.

- 4) The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5) Claims 4,6,13,15,17,18 and 26 are rejected under 35 U.S.C.

 103(a) as being unpatentable over SAKAGUCHI et al (JP, 2001-291,266) and KASAMA et al (6,631,227).

SAKAGUCHI et al discloses an optical module as claimed in claim 4, comprises an optical device including a conductive film having first and second surfaces, at least one aperture provided in conductive film and extending from first surface to second surface, and a surface topography formed on at least one of first and second surfaces, wherein surface topography increases an intensity of light incident onto one of first and second surfaces and transmitted through aperture (Fig.6C, conductive film 20, layer 22 and aperture

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30), except to specifically show that the center of light flux of light incident on conductive film is deviated from the center of aperture. KASAMA et al from the same field teaches a near-field optical head wherein the center of light flux of light incident on conductive film is deviated from the center of aperture (column 9, line 55-63). Since the method as taught by KASAMA et al is old and widely used in the art it would have been obvious to someone within the level of skill in the art at the time of the invention was made to deviate the light incident from the center of an aperture in SAKAGUCHI et al's near-field optical head as claimed.

As to claim 6, SAKAGUCHI et al shows the light flux of light incident is included at least aperture (Fig.1, the incident light includes aperture 30).

Claim 13 adds to claim 4 the feature of a slider, which is old and well known in every near-field optical head.

Claim 15 is rejected with the same reasons set forth in claim 6 above.

As to claims 17 and 18, SAKAGUCHI et al shows an optical fiber for transmitting light from a light source (Fig.1, optical fiber 10), and a light-collecting optical system for collecting light emitted from optical fiber to optical device (figure 2, lens 230, 210 and 240, beam splitter 220 and photo-detector 250).

Claim 26 adds to claim 1 the feature of optical recording medium, which SAKAGUCHI et al shows in figures 1 and 6, element 50 and reproducing optical head for receiving and reproducing transmitted light passing through optical recording medium is old and widely used in the optical recording art.

- 6) Claims 5,7,14 and 16 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 7) The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Applicant is reminded that in amending in response to a rejection of claims (if the rejection involves with any applicable arts), the <u>patentable novelty must be clearly shown</u> in view of the state of the art disclosed by the references cited and the objection made. Applicant must also show <u>how the amendments avoid such</u> references and objections. See 37 CFR § 1.111(c).

Form PTO-892 is attached herein.

8) Any inquiry concerning this communication or earlier communications from the examiner should be directed to TAN X. DINH whose telephone number is (571)272-7586. The examiner can normally be reached on MONDAY-FRIDAY from 8:00AM to 5:30PM.

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The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov/. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TAN DINH
PRIMARY EXAMINER
November 16, 2006